

notes from 9/27/13
for examples.

addition property of equality

If $a = b$, then $a + c = b + c$

The equation stays balanced if I add the same thing to both sides of the equal sign.

subtraction property of equality

If $a = b$, then $a - c = b - c$

The equation stays balanced if I subtract the same thing from both sides of the equal sign.

multiplication property of equality

If $a = b$, then $a \cdot c = b \cdot c$

the equation stays balanced if the same # is multiplied on both sides of the equal sign.

division property of equality

If $a = b$, then $\frac{a}{c} = \frac{b}{c}$

The equation needs to stay balanced.